

Appln No.: 10/736,436
Filing Date: 12/15/2003
Atty Docket No.: 324559
Previous Atty Docket No.: C/S03-50(7980)

Applicant(s): Li, et al.
Examiner: KHOSHNOODI, FARIBORZ
Group Art Unit: 2164

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Amendments to the Claims:

SEP 26 2008

Status of Claims:

Claims 1-22 are pending for examination.

Claim 22 is amended herein.

Claims 1, 12, 15, 21 and 22 are in independent form.

Claims Listing

1. (Original) A method in a content engine for dynamically providing a portal in a content distributed network, comprising the steps of:

receiving a request for the portal from a client system;

accessing a portal template in response to the request, the portal template having at least one dynamic portion;

Including into the at least one dynamic portion of the portal template links to content cached in the content engine and information about content availability to generate a portal page; and

providing the portal page to the client system.

2. (Original) The method of claim 1 wherein including information about content availability further comprises the steps of:

comparing a replication status to a catalog of files carried in the content engine to determine what files are locally cached and what files remain to be downloaded; and

writing a list of files that remain to be downloaded to the portal page with an indicator of unavailability.

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3. (Original) The method of claim 1 wherein the step of including links to content cached in the content engine further comprises the steps of:
 1. checking a replication status of the content engine to determine available cached content; and
 2. including into the at least one dynamic portion of the portal template links to content found in the replication status.
4. (Original) The method of claim 3 further comprising the step of hiding at least one link to content not found in the replication status in the at least one dynamic portion of the portal template.
5. (Original) The method of claim 1 wherein the portal template includes at least one applet and the step of including links into the portal template comprises running the at least one applet to acquire at least one pointer to content cached in the content engine.
6. (Original) The method of claim 5 further comprising the step of providing the portal template having at least one applet to the client system and wherein the client system instantiates the portal template including at least one applet and executes the at least one applet to acquire content cached in the content engine.
7. (Original) The method of claim 1 wherein the step of accessing the portal template further comprises reading a template stored in the content engine.
8. (Original) The method of claim 1 wherein the step of accessing the portal template further comprises accessing the template stored at a portal page server in the content distributed work.

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9. (Original) The method of claim 1 wherein the request is a redirected request from the client system, redirected away from a central site and to the content engine by a content router in the content distribution network.
10. (Original) The method of claim 1 wherein the request is a search request and the method further comprises the steps of:
 - querying a central server in response to the search request; and
 - receiving a list of files in response to querying the central server; and
 - wherein the step of including links to content further comprises including links to files from the list cached in the content engine.
11. (Original) The method of claim 1 wherein the request is received at the content engine based on a network location of the content engine with respect to the client system.
12. (Original) The method in a content engine for dynamically providing a portal to a channel in a content distributed network, the channel having content, comprising the steps of:
 - receiving a request for the channel portal from a client system;
 - accessing a channel portal template in response to the request, the channel portal template having at least one dynamic portion;
 - including into the at least one dynamic portion of the channel portal template links to content cached in the content engine and information about content availability to generate a channel portal page; and
 - providing the channel portal page to the client system.
13. (Original) The method of claim 12 wherein the step of including links to content further includes the steps of:

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checking a replication status of the content engine to determine channel content available at the content engine; and

including into the at least one dynamic portion of the channel portal template links to channel content found in the replication status to generate the channel portal page.

14. (Original) The method of claim 12 wherein the request includes a search query for content in the channel, wherein the channel portal template includes an applet accepting a first input of the search query and a second input of a list of content in the channel and wherein the step of including links to content further includes the steps of:

executing the applet to find content matching the search query;

determining whether the content matching the search query is cached at the content engine; and

including into the at least one dynamic portion of the channel portal template links to channel content cached at the content engine.

15. (Original) A content engine for dynamically providing a portal in a content distributed network, comprising:

a network interface to receive a request for a portal from a client system;

a storage device to store content from the content distributed network and a portal template having at least one dynamic portion; and

a controller coupled to the interface and the storage device, the controller configured to access the portal template in response to the request, to include in the at least one dynamic portion of the portal template links to content cached in the content engine and information about content availability to generate a portal page, and to provide the portal page to the client system.

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16. (Original) The content engine of claim 15 wherein the storage device further includes a replication status of the content engine and the controller is further configured to check the replication status to determine available cached content, the controller further to include into the at least one dynamic portion of the portal template links to content found in the replication status.
17. (Original) The content engine of claim 15 wherein the portal template includes at least one applet and the controller is further configured to run the at least one applet to acquire at least one pointer to content cached in the content engine.
18. (Original) The content engine of claim 15 wherein the portal is a channel portal and the portal template is a channel portal template and the controller is further configured to include into the at least one dynamic portion of the channel portal template links to content cached in the content engine to generate a channel portal page.
19. (Original) The content engine of claim 18 wherein the storage device further stores a replication status of the content engine and the controller is further configured to check the replication status to determine channel content available at the content engine and to include into the at least one dynamic portion of the channel portal template links to channel content found in the replication status to generate a channel portal page.
20. (Original) The content engine of claim 18 wherein the request includes a search query for content in the channel, wherein the channel portal template includes an applet that accepts a first input of the search query and a second input of a list of content in the channel, and wherein the controller is further configured to

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execute the applet to find content matching the search query, to determine whether the content matching the search query is cached at the content engine, and to include into the at least one dynamic portion of the channel portal template links to channel content cached at the content engine.

21. (Original) A method in a content distributed network for dynamically providing a Web portal to the content distributed network, comprising the steps of:

providing a manifest file to establish a channel of content in the content distributed network, the manifest file describing channel content, the manifest file further including a portal template, the portal template including at least one dynamic portion;

providing at least one content engine to cache a portion of channel content and to cache the portal template;

receiving at the at least one content engine a request for the Web portal from a client system;

accessing by the at least one content engine the portal template in response to the request;

including by the at least one content engine into the least one dynamic portion of the portal template links to content cached in the content engine to generate a Web portal page; and

providing by content engine the Web portal page to the client system.

22. (Currently Amended) A computer-readable medium having stored thereon computer executable instructions that when executed by a computer cause the computer to perform a method, the method comprising:

~~computer program product having a computer readable medium including computer program logic encoded thereon that, when performed on a computer system having a coupling of a memory, a processor, and at least one~~

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~~communications interface, provides a method for dynamically providing a Web portal in a content-distributed network by performing the operations of:~~

- ~~receiving a request for the portal from a client system;~~
- ~~accessing a portal template in response to the request, the portal template having at least one dynamic portion;~~
- ~~including into the at least one dynamic portion of the portal template links to content cached in the content engine and information about content availability to generate a portal engine; and~~
- ~~providing the portal page to the client system.~~